

**Application No. 10/661,641  
Response to Final Office Action dated February 9, 2007**

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application. Please amend the claims as follows:

**Listing of Claims:**

1-22. (Canceled)

23. (Currently amended) A system for treating ~~patients~~ a patient suffering from a neuropsychiatric disorder, comprising

~~[[a]]at least one pulse generator capable of generating adapted to generate~~ a predetermined sequence of electrical pulses to synchronously or asynchronously stimulate the right and left branches of the vagus nerve of the patient to ameliorate symptoms of the neuropsychiatric disorder, and

~~at least two electrodes electrically coupled to the at least one pulse generator, said at least two electrodes being adapted to be implanted in the patient's body and coupled, respectively, to one of the right and left branches of the vagus nerve of the patient at a location in a range from about two to about three inches above or below the patient's diaphragm, for delivering adapted to deliver~~ said electrical pulses to said right and left branches, respectively.

24. (Currently amended) The apparatus of claim 23, wherein each ~~said at least one~~ pulse generator is programmable to enable physician programming of a plurality of parameters defining said sequence of electrical pulses.

25. (Currently amended) The apparatus of claim 23, wherein ~~said at least two electrodes are adapted for attaching to attach~~, respectively, to the left and right branches of the patient's vagus nerve for direct stimulation thereof.

26. (Canceled)

27. (Currently amended) The apparatus of claim 23, wherein said at least two electrodes are adapted to be attached to respective [[a]] portion portions of the patient's body remote from the right and left branches of the vagus nerve to indirectly stimulate the vagus nerve said branches.

28. (Currently amended) The apparatus of claim 23, including activation means associated with the said at least one pulse generator for enabling patient activation of the pulse generator to stimulate the right and left branches of the vagus nerve.

29. (Previously presented) The apparatus of claim 23, wherein said neuropsychiatric disorder is selected from the group consisting of schizophrenia, depression, borderline personality disorder, and related disorders.

30. (Currently amended) Apparatus for treating patients a patient suffering from a neuropsychiatric disorder selected from the group consisting of depression, borderline personality disorder, and related disorders, said apparatus comprising

a pulse generator two pulse generators, each adapted to generate an electrical signal for stimulating, respectively, the right and or left branches branch of the vagus nerve of the patient to ameliorate symptoms of the neuropsychiatric disorder, wherein said electrical signal generated by each said pulse generator is the same or different; and

at least two electrodes adapted to be implanted in [[a]] the patient to treat the neuropsychiatric disorder by applying the electrical signal generated by said pulse generator and adapted to deliver said electrical signals to the patient's right and left branches of the vagus nerve, wherein each said electrode of said at least two electrodes is coupled to said pulse generator and is adapted to be attached, respectively, to one of said branches of the vagus nerve at locations in a range from about two to about three inches above or below the patient's diaphragm, for delivering said electrical signal to treat the neuropsychiatric disorder.

31. (Currently amended) The apparatus of claim 30, wherein each said pulse generator is adapted to be programmed by an attending physician to provide electrical parameters defining said electrical signal.

32. (Currently amended) The apparatus of claim 30, wherein each of said at least two electrodes is connected to an electrical lead of sufficient length to enable said electrode to be attached to at least

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~~one of the left and or right branches~~ branch of said vagus nerve at [[said]] a location in a range from about two to about three inches above or below the patient's diaphragm.

33. (Currently amended) The apparatus of claim 30, wherein said system further comprises a programming unit coupled to each said pulse generator for programming a plurality of parameters to define said electrical ~~signals~~signals.

34. (Currently amended) A system for treating a patient having a neuropsychiatric disorder comprising:

~~a pulse generator~~ first and second pulse generators, each adapted to generate an electrical signal to stimulate, respectively, the right and left branches of the vagus nerve of the patient to treat symptoms of the neuropsychiatric disorder, wherein said electrical signal generated by each said pulse generator is the same or different;

a first electrode coupled to the first pulse generator and ~~coupled~~ adapted to be coupled directly or indirectly to the right branch of the vagus nerve of the patient at a location below the patient's diaphragm, for applying said electrical signal to the right branch of the vagus nerve to treat said neuropsychiatric disorder;

a second electrode coupled to the second pulse generator and ~~coupled~~ adapted to be coupled directly or indirectly to the left branch of the vagus nerve of the patient at a location below the patient's diaphragm, for applying said electrical signal to the left branch of the vagus nerve to treat said neuropsychiatric disorder; and

a programming unit for programming said pulse ~~generator~~ generators to define each said electrical signal.

35. (Currently amended) The system of claim 34 wherein said pulse ~~generator~~ generators ~~is~~ are adapted to be implanted in the body of the patient.

36. (Currently amended) The system of claim 34 wherein said programming unit is external to the body of the patient and is wirelessly coupled to said ~~at least one electrode~~ pulse generators.

37. (Currently amended) The system of claim 34 wherein said programming unit is ~~capable of programming~~ adapted to program at least one parameter selected from the group consisting of current magnitude, frequency, pulse width, on-time and off-time.